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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/712,062
				Filing Date	November 14, 2003
				First Named Inventor	Shunpei YAMAZAKI et al.
				Group Art Unit	2826
				Examiner Name	F. Abraham
				Attorney Docket Number	0756-7218
Sheet	1	of	1		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Examiner Signature	<i>Chouy Horale</i>	Date Considered	<i>2/8/05</i>
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Based on 10/214,691
				Filing Date	August 9, 2002
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2826
				Examiner Name	Fetsum Abraham
Sheet	1	of	12	Attorney Docket Number	0756-7218

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
Pd		5,686,328		Zhang et al.	11/11/97	
		5,763,899		Yamazaki et al.	06/09/98	
		5,782,665		Weisfield et al.	07/21/98	
		5,922,125		Zhang	07/13/99	
		6,083,801		Ohtani	07/04/00	
		5,744,822		Takayama et al.	04/28/98	
		5,744,824		Kousai et al.	04/28/98	
		5,766,977		Yamazaki	06/16/98	
		5,773,846		Zhang et al.	06/30/98	
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		5,795,795		Kousai et al.	08/18/98	
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		3,890,632		Ham et al.	06/17/75	
		4,330,363		Biefesen et al.	05/18/82	
		4,466,073		Boyan et al.	08/14/84	
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		6,140,165		Zhang et al.	10/31/00	
		6,147,667		Yamazaki et al.	11/14/00	
		6,180,439 B1		Yamazaki et al.	01/30/01	
		5,929,527		Yamazaki et al.	07/27/99	
		5,949,107		Zhang	09/07/99	
		6,031,249		Yamazaki et al.	02/29/00	
		6,121,683		Yamazaki et al.	09/19/00	
		6,207,969 B1		Yamazaki et al.	03/27/01	

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		Japan J. Appl. Phys. 8 (1969) 1056, "Effect of Deposited Metals on the Crystallization Temperature of Amorphous Germanium Film," OKI et al.	
		Technology Information Association, "Thermo-Auto-Chrome Full Color Recording Technology," May 31, 1995	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Number	Kind Code ² (if known)			
PR		5,811,327		Funai et al.	09/22/98	
		5,818,076		Zhang et al.	10/06/98	
		5,821,138		Yamazaki et al.	10/13/98	
		5,824,574		Yamazaki et al.	10/20/98	
		6,175,348		Zhang et al.	01/16/01	
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		5,818,076		Zhang et al.	10/06/98	
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		4,231,809		Schmidt	11/04/80	
		4,271,422		Ipri	06/02/81	
		4,277,884		Hsu	07/14/81	
		4,300,989		Chang	11/17/81	
		4,309,224		Shibata	01/05/82	
		4,331,709		Risch et al.	05/25/82	
		4,379,020		Glaeser et al.	04/05/83	
		4,409,724		Tasch, Jr., et al.	10/18/83	
		4,472,458		Sirinyan et al.	09/18/84	
		4,481,121		Barthel	11/06/84	
		4,534,820		Mori et al.	08/13/85	
		4,544,418		Gibbons	10/01/85	

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		JP	07-335900	Teramoto Satoshi	12/22/95	Abst.
		JP	64-081324		03/27/89	Abst.

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PR		IBM Technical Disclosure Bulletin, Vol. 11, No.7, A.R. Baker, Jr.	

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		Number	Kind Code ² (if known)			
B		4,546,376		Nakata et al.	10/08/85	
		4,597,160		Ipri	07/01/86	
		4,634,473		Swartz et al.	01/06/87	
		4,735,824		Yamabe et al.	04/05/88	
		4,755,481		Faraone	07/05/88	
		4,911,781		Fox et al.	03/27/90	
		4,959,247		Moser et al.	09/25/90	
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		4,996,077		Mosiehi et al.	02/26/91	
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		5,089,441		Mosiehi	02/18/92	
		5,112,764		Mitra et al.	05/12/92	
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		5,221,423		Sugino et al.	06/22/93	
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		5,254,480		Tran	10/19/93	
		5,262,350		Yamazaki et al.	11/16/93	
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		5,278,093		Yonehara	01/11/94	
		5,289,030		Yamazaki et al.	02/22/94	
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		5,298,075		Lagendijk et al.	03/29/94	
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		5,352,291		Zhang et al.	10/04/94	
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		5,358,907		Wong	10/25/94	
		5,366,926		Mei et al.	11/22/94	
		5,387,530		Doyle et al.	02/07/95	
		5,424,230		Wakai	06/13/95	

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		Number	Kind Code ² (if known)			
Fw		5,470,763		Hamada	11/28/95	
		5,480,811		Chiang et al.	01/02/96	
		5,504,019		Miyasaka et al.	04/02/96	
		5,508,207		Horai et al.	04/16/96	
		5,531,182		Yonehara	07/02/96	
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		5,734,179		Chang et al.	03/31/98	
		5,773,327		Yamazaki et al.	06/30/98	
		5,786,796		Takayama et al.	07/28/98	
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		5,962,869		Yamazaki et al.	10/05/99	
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		5,990,491		Zhang	11/23/99	
		5,990,542		Yamazaki	11/23/99	
		6,005,648		Zhang et al.	12/21/99	
	✓		6,011,277		Yamazaki	

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		Number	Kind Code ² (if known)			
PB		6,013,929		Ohtani	01/11/00	
		6,048,758		Yamazaki et al.	04/11/00	
		6,063,654		Ohtani	05/16/00	
		6,077,731		Yamazaki et al.	06/20/00	
		6,093,934		Yamazaki et al.	07/25/00	
		6,100,562		Yamazaki et al.	08/08/00	
		RE 28,385		Mayer	04/08/75	
		RE 28,386		Heiman et al.	04/08/75	

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J		EP	0 178 447			10/09/84	English
		JP	01-187814			07/27/89	Full
		JP	01-187874			07/27/89	Abst.
		JP	01-187875			07/27/89	Abst.
		JP	01-206632			08/18/89	Abst.
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		JP	03-280420			12/11/91	Full
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		JP	05-107561			04/30/93	Abst.
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		JP	06-232059			08/19/94	Full
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		JP	08-129359			05/21/96	Abst.
		JP	08-129360			05/21/96	Abst.
		JP	08-234683			09/13/96	Abst.
		JP	08-241047			09/17/96	Abst.
		JP	08-241048			09/17/96	Abst.
		JP	08-241057			09/17/96	Abst.
		JP	08-241997			09/17/96	Abst.
		JP	60-105216			06/10/85	Full
		JP	61-063017			04/01/86	Full
		JP	61-063107			04/01/86	Abst.
		JP	62-169356			07/25/87	Abst.

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PD		Caune et al., "Combined CW Laser and Furnace Annealing of Amorphous Si and Ge in Contact With Some Metals," January 1, 1989, pp. 597-604, Applied Surface Science, Vol. 36	
		Stoemnos et al., "Crystallization of Amorphous Silicon by Reconstructive Transformation Utilizing Gold," March 18, 1991, pp. 1196-1198, Appl. Phys. Lett. 58(11)	
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		Oki et al., "Effect of Deposited Metals On The Crystallization Temperature of Amorphous Germanium Film," 1969, pp. 1056, Jpn. J. Appl. Phys. 8	
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		Green et al., "Method to Purify Semiconductor Wafers," October 1973, pp. 1612-1613, IBM Tech. Discl. Bulletin, Vol. 16, No. 5	
		Boyd, et al., "Oxidation of Silicon Surfaces by CO2 Lasers," July 15, 1982, pp. 162-164, Applied Phys. Letters, Vol. 41, No. 2	
✓		Wolf et al., "Silicon Processing for the VLSI Era Volume 1: Process Technology," 1986, pp. 215-216, Lattice Press	

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				Examiner Name	Fetsum Abraham
Sheet	7	of	12	Attorney Docket Number	0756-7218

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		Wolf et al., "Silicon Processing for the VLSI Era Volume 1: Process Technology," 1986, pp. 198-207, Lattice Press	

Examiner Signature	<i>Fetsum Abraham</i>	Date Considered	2/8/05
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				Application Number	Based on 10/214,691
				Filing Date	August 9, 2002
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group An Unit	2826
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		Wolf et al., "Thermal Oxidation of Single Crystal Silicon," 1986, pp. 207-211, Silicon Processing for the VLSI Era	
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		Number	Kind Code ³ (if known)			
PZ		5,705,829		Miyanaga et al.	01/06/98	S
		5,712,191		Nakajima et al.	01/27/98	
		5,756,364		Tanaka et al.	05/26/98	
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		5,693,959		Inoue et al.	12/02/97	

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		Kuznetsov et al., "Silicide Precipitate Formation and Solid Phase Re-Growth of Ni-Implanted Amorphous Silicon," April 5-8, 1993, pp. 191-194, Inst. Phys. Conf. Ser. No. 134.4: Proceedings of Royal Microscopical Society Conf.	
		Liu et al., "Polycrystalline Silicon Thin Film Transistors on Corning 7059 Glass Substrates Using Short Time, Low-Temperature Processing," May 17, 1993, pp. 2554-2556, Appl. Phys. Lett 62(20)	
		Liu et al., "Selective Area Crystallization of Amorphous Silicon Films by Low-Temperature Rapid Thermal Annealing," August 14, 1989, pp. 660-662, Appl. Phys. Lett 55(7)	
		Spaepen et al., Metal-Enhanced Growth of Silicon, 1992, pp. 483-499, Crucial Issues in Semiconductor Materials & Processing Technologies	

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		Number	Kind Code ³ (if known)			
Po		5,403,772		Zhang et al.	04/04/95	
		5,426,064		Zhang et al.	06/20/95	
		5,481,121		Zhang et al.	01/02/96	
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		5,700,333		Yamazaki et al.	12/23/97	

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				Filing Date	August 9, 2002
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2826
Examiner Name	Fetsum Abraham				
Sheet	11	of	12	Attorney Docket Number	0756-7218

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
PK		5,932,893		Miyanaga et al.	08/03/99	
		4,759,610		Yanagisawa	07/26/88	
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PK		Wolf, <i>Silicon Processing for the VLSI Era</i> , Volume 2, Chapter 4, page 274 (1990).	

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		Number	Kind Code ² (if known)			
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		Office ³	Number ⁴	Kind Code ² (if known)				
FB		JP	06-314785			11/08/94		Ab
		JP	06-314787			11/08/94		Ab

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) NOV 15 2004		Application Number	10/712,062
		Filing Date	November 14, 2003
		First Named Inventor	Shunpei YAMAZAKI et al.
		Group Art Unit	2826
		Examiner Name	F. Abraham
Sheet 1	2	Attorney Docket Number	0756-7218

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		Number	Kind Code ² (if known)			
F/A		6,162,704		Yamazaki et al.	12/19/2000	
		6,294,441		Yamazaki	09/25/2001	
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		Office ³	Number ⁴ Kind Code ⁵ (if known)				
F/A		JP	07-066425		03/10/1995		Abst. & U.S. Equiv.
		JP	08-045839		02/16/1996		Abst. & U.S. Equiv.
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		JP	07-045519		02/14/1995		Abst. & U.S. Equiv.
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		2002/0048891		Yamazaki et al.	04/25/2002	
		6,423,586		Yamazaki et al.	07/23/2002	

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✓		JP	07-192998			07/28/1995		Abst.
		JP	05-299339			11/12/1993		Abst. & U.S. Equiv.

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